

# Axygen® Gel Documentation Systems

**AXYGEN**

A Corning Brand



Axygen gel documentation system-BL



Axygen gel documentation system

Axygen® Gel Documentation systems easily capture publication quality, 16 bit TIFF images. The systems are quick to set up and have an intuitive user interface for image capture, annotation, and contrast adjustment. Images are easily saved and opened in common gel analysis software for more detailed analysis.

- ▶ Auto exposure—you never have to manually manipulate the camera
- ▶ Ready-to-use—just connect the computer\* and load the software
- ▶ Long-life dual wavelength transilluminators
- ▶ Exceptionally high resolution (5.4 MP) camera
- ▶ The cabinet is compact with an ultra-violet (UV) cut-off switch to prevent exposure to UV light if the cabinet door is opened while the UV light is on.

## Features

- ▶ Darkroom tab lets you select from UV 302, UV 365, Epi White, or Epi Blue (BL system only) light sources, as well as an optional Trans White light illumination tray.
- ▶ Auto Exposure tool calculates the optimal exposure time with just a single click. You can also use the Slider tool to manually adjust the exposure time and view an updated live image.
- ▶ Select ROI tool allows you to select a region of interest. The Auto Exposure calculations are only based on the selected region. This feature is especially useful for gels that have either intense or faint bands.
- ▶ Band Excision tool allows you to temporarily override the safety precautions in the system to view the gel with the lights on.\*\*
- ▶ Imaging tools include crop, rotate, resize, contrast, saturation, and zoom. Annotation tools include a variety of text and drawing tools. Finished images can be saved, printed, emailed, or exported for further analysis.
- ▶ Transillumination bulbs last for 30,000 hours—which equals over 3.5 years if the bulbs were in continuous use.

## Choose from Two Axxygen Gel Documentation Systems

**Axygen Gel Documentation System** is an ideal system for labs that want good value without compromising ease of use or image quality. It includes a dual-wavelength transilluminator, 5.4 MP image resolution camera, and image acquisition software.

**Axygen Gel Documentation System-BL** has all the features of the standard Axxygen Gel Documentation system, as well as built-in blue lights and a built-on Microsoft® Windows® tablet. The blue lights are designed for use with EtBr replacement dyes to prevent damage to DNA that will be excised for subsequent analysis.

\* BL model includes tablet computer.

\*\* Always wear protective eyewear when working with UV light.

# Everything You Expect From a High Resolution Gel Doc System — Except the High Price.

One-piece integrated digital darkroom

5.4 megapixel resolution camera

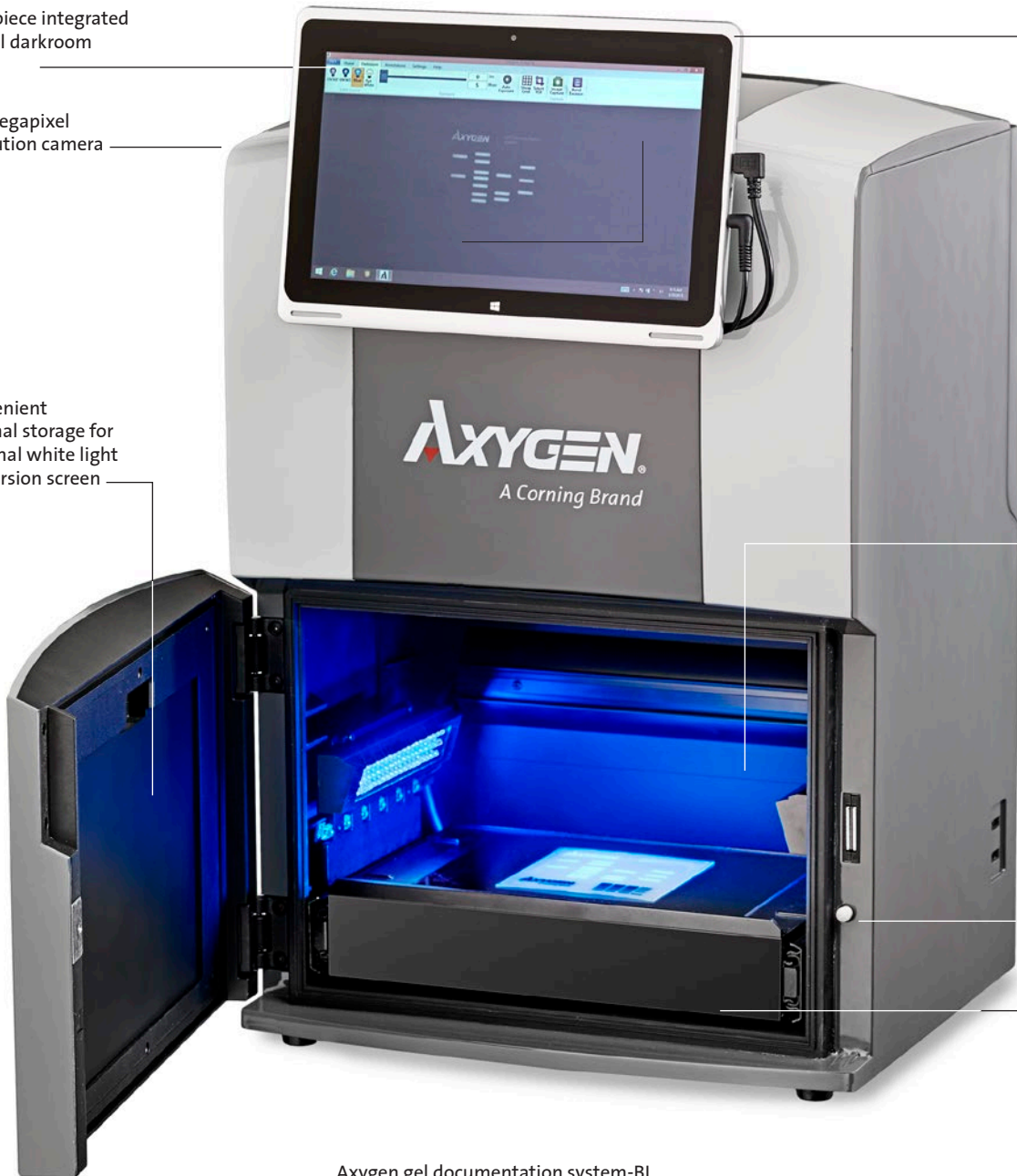
Convenient internal storage for optional white light conversion screen

Built-on Windows Tablet PC with 4 click data acquisition

Blue Light LED for imaging of DNA dyes at 470 nm

UV safety interlock with gel excision setting for easy override

30,000 hour dual wavelength UV transilluminator



Axygen gel documentation system-BL

## Specifications

Axygen® System	Gel Documentation System	Gel Documentation System-BL
Camera	5.4 MP image resolution	5.4 MP image resolution
Lens	f1.8	f1.8
Light Sources	<ul style="list-style-type: none"> <li>▶ Epi White</li> <li>▶ Dual wavelength transillumination at 302 nm and 365 nm</li> </ul>	<ul style="list-style-type: none"> <li>▶ Epi White</li> <li>▶ Dual wavelength transillumination at 302 nm and 365 nm</li> <li>▶ Epi Blue</li> </ul>
Trans White Light Illumination Tray	Optional	Optional
Field of View	15 cm x 20 cm	15 cm x 20 cm
Cabinet	<ul style="list-style-type: none"> <li>▶ Door sensor to prevent accidental exposure to UV; automatically shuts off UV light when door is open</li> <li>▶ Safety override, enabling band cutting on the UV transilluminator with automatic turn off after 5 minutes</li> </ul>	<ul style="list-style-type: none"> <li>▶ Door sensor to prevent accidental exposure to UV; automatically shuts off UV light when door is open</li> <li>▶ Safety override, enabling band cutting on the UV transilluminator with automatic turn off after 5 minutes</li> </ul>
Emission Filter	590 nm	590 nm
3-position Filter Slider	No	Yes
Certifications	CE, cTUVus	CE, cTUVus
Product Footprint	12" x 15" (30.48 cm x 38.1 cm)	12" x 15" (30.48 x 38.1 cm)
Computer	<ul style="list-style-type: none"> <li>▶ Operating system: Windows 8</li> <li>▶ Minimum hardware requirements: 1.4 GHz processor speed, 2 GB RAM, 16 GB free hard disk space, 2 USBs</li> </ul>	<ul style="list-style-type: none"> <li>▶ Tablet included: Windows 8 tablet computer enables compatibility with existing networks, as well as easy setup</li> <li>▶ Bluetooth and wireless compatible, or USB to LAN compatible</li> <li>▶ 10.1" touch screen</li> <li>▶ 2 GB of storage for short term data saving</li> </ul>

## Ordering Information

Corning Cat. No.	Description	Qty/Pk	Qty/Cs
GD-1000	Gel documentation system	1	1
GDBL-1000	Gel documentation system-BL	1	1
GD-BLCS	Gel documentation system blue light conversion screen for GD-1000	1	1
GD-WLCS	Gel documentation system white light conversion screen for GD-1000 and GDBL-1000	1	1
GD-GCT	Gel carrying tray for GD-1000 and GDBL-1000	1	1
GD-PRT	Thermal printer	1	1
GD-PAPER	Thermal printer paper	1	1
GD-1D	1 user license of Total Lab 1D (also available in more user licenses upon request)	1	1
GD-1DN	1 user Network license of Total Lab 1D (also available in more user licenses upon request)	1	1
GDBL-BLUE	Optional blue filter (497 nm)	1	1
GDBL-GREEN	Optional green filter (572 nm)	1	1
GDBL-RED	Optional red filter (676 nm)	1	1
GD-GCS	UV transmitting tray that protects UV transilluminator when cutting out bands	1	1
GD-OG	Orange glasses ideal for reducing background when cutting out bands with blue light	1	1
GD-USBS	USB hub	1	1
GD-USBMK	USB mouse and keyboard	1	1

## Related Products

### Axygen® Gel Cutting Pipet Tips

Corning Cat. No.	Description	Qty/Pk	Qty/Cs
TGL-1165-R	1.1 mm x 6.5 mm gel cutting pipet tips	480	2,400
TGL-1165	1.1 mm x 6.5 mm gel cutting pipet tips	250	2,500
TGL-1140-R	1.1 mm x 4 mm gel cutting pipet tips	480	2,400
TGL-1140	1.1 mm x 4 mm gel cutting pipet tips	250	2,500

### Axygen Gel Loading Pipet Tips

TGL-10FT-17-R	0.17 mm, 10 µL racked flat gel loading pipet tip	400	400
TGL-200FT-37-R-S	0.37 mm, 200 µL racked flat gel loading pipet tip, sterile	400	400
TGL-200FT-37-R	0.37 mm, 200 µL racked flat gel loading pipet tip	400	400
TGL-200RD-57-R-S	0.57 mm, 200 µL racked round gel loading tip, sterile	400	400
TGL-200RD-57-R	0.57 mm, 200 µL racked round gel loading tip	400	400

### Axygen DNA Markers

M-DNA-100BP	100 bp DNA ladder	500 µL	500 µL
M-DNA-1KB	1 kb DNA ladder	500 µL	500 µL

### Axygen Agarose

AGR-LE-100	Agarose LE, low EEO, molecular biology grade, 100 g	1	1
AGR-LE-1001	Agarose LE, low EEO, molecular biology grade, 100 g	10	10
AGR-LE-500	Agarose LE, low EEO, molecular biology grade, 500 g	1	1
AGR-LE-5001	Agarose LE, low EEO, molecular biology grade, 500 g	10	10
AGR-LM-50	Agarose LM, low melting, molecular biology grade, 50 g	1	1
AGR-LM-501	Agarose LM, low melting, molecular biology grade, 50 g	10	10
AGR-LM-100	Agarose LM, low melting, molecular biology grade, 100 g	1	1
AGR-LM-1001	Agarose LM, low melting, molecular biology grade, 100 g	10	10
AGR-MS-50	Agarose MS, PCR screening, molecular biology grade, 50 g	1	1
AGR-MS-501	Agarose MS, PCR screening, molecular biology grade, 50 g	10	10
AGR-MS-100	Agarose MS, PCR screening, molecular biology grade, 100 g	1	1
AGR-MS-1001	Agarose MS, PCR screening, molecular biology grade, 100 g	10	10

### Corning® Buffers

46-011-CM	10X TBE Buffer, liquid	6 x 1L	6 x 1L
46-010-CM	10X TAE Buffer, liquid	6 x 1L	6 x 1L

**Warranty/Disclaimer:** Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.

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